

The MathLesson

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Fractions 1

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Name

Date

Score

1.  $1 - \frac{2}{3} = \frac{1}{3}$

2.  $1 - \frac{1}{2} = \frac{1}{2}$

3.  $1 - \frac{3}{4} = \frac{1}{4}$

4.  $1 - \frac{1}{7} =$

5.  $1 - \frac{6}{8} =$

6.  $1 - \frac{2}{10} =$

7.  $1 - \frac{8}{10} =$

8.  $1 - \frac{7}{10} =$

9.  $1 - \frac{2}{3} =$

10.  $1 - \frac{3}{5} =$

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Name

Date

Score

1.  $1 - \frac{7}{8} = \frac{1}{8}$

2.  $1 - \frac{1}{5} = \frac{4}{5}$

3.  $1 - \frac{3}{5} = \frac{2}{5}$

4.  $1 - \frac{1}{9} =$

5.  $1 - \frac{6}{8} =$

6.  $1 - \frac{2}{10} =$

7.  $1 - \frac{8}{9} =$

8.  $1 - \frac{7}{12} =$

9.  $1 - \frac{2}{5} =$

10.  $1 - \frac{3}{6} =$

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Name

Date

Score

1. I gave away  $\frac{4}{5}$  of my toys. What fraction do I have left?
2. You have  $\frac{2}{3}$  of the toys. What fraction do I have?
3. She left  $\frac{2}{4}$  of her books at my house. What fraction did she take with her?
4. You gave me  $\frac{3}{7}$  of your stickers. What fraction do you have left?
5. I gave away  $\frac{7}{8}$  of my toys. What fraction do I have left?
6. The dog ate  $\frac{5}{7}$  of his food. What fraction is left?
7.  $\frac{6}{8}$  of my collection is large. What fraction of my collection is not large?
8.  $\frac{9}{10}$  of the kids are present. What fraction are not present?
9.  $\frac{1}{4}$  of the books are paperback. What fraction are not paperback?
10. I do not like  $\frac{2}{5}$  of the kids in my class. What fraction of the kids I like?
11. I have read  $\frac{3}{4}$  of the books on the shelf. What fraction I have not read?
12. I took  $\frac{6}{9}$  of his candies. What fraction are left for him?
13. I have finished  $\frac{12}{13}$  of the problems. What fraction are left?

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Name

Date

Score

1.  $\frac{5}{7}$  of the cards are red. What fraction are not red?
2. I have  $\frac{6}{7}$  of the homework left to do. What fraction I have finished?
3. She left  $\frac{7}{8}$  of her books at my house. What fraction did she take with her?
4. You gave me  $\frac{3}{4}$  of your stickers. What fraction do you have left?
5. I saw  $\frac{3}{5}$  of the movies that came out. What fraction did I not see?
6. They walked  $\frac{2}{7}$  of the distance. What fraction of the distance is left?
7.  $\frac{6}{8}$  of the flowers are roses. What fraction are not roses?
8.  $\frac{8}{10}$  of the kids are present. What fraction are not present?
9.  $\frac{9}{10}$  of the books are paperback. What fraction are not paperback?
10. I do not like  $\frac{1}{9}$  of the kids in my class. What fraction of the kids do I like?
11. I have read  $\frac{7}{15}$  of the books on the shelf. What fraction I have not read?
12. I took  $\frac{13}{20}$  of his candies. What fraction are left for him?
13. I have finished  $\frac{43}{50}$  of the problems. What fraction are left?

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Name

Date

Score

1.  $10 \times \frac{2}{5} = \frac{10 \times 2}{5} = 4$

2.  $12 \times \frac{1}{2} = \frac{12 \times 1}{2} = 6$

3.  $12 \times \frac{3}{4} = \frac{12 \times 3}{4} = 9$

4.  $21 \times \frac{1}{7} =$

5.  $16 \times \frac{6}{8} =$

6.  $100 \times \frac{2}{10} =$

7.  $80 \times \frac{8}{10} =$

8.  $30 \times \frac{7}{10} =$

9.  $15 \times \frac{2}{3} =$

10.  $250 \times \frac{3}{5} =$

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Name

Date

Score

1.  $20 \times \frac{2}{5} = \frac{20 \times 2}{5} = 8$

2.  $12 \times \frac{3}{2} =$

3.  $12 \times \frac{2}{4} =$

4.  $21 \times \frac{2}{7} =$

5.  $8 \times \frac{6}{8} =$

6.  $100 \times \frac{4}{5} =$

7.  $80 \times \frac{3}{4} =$

8.  $100 \times \frac{1}{10} =$

9.  $100 \times \frac{1}{2} =$

10.  $100 \times \frac{1}{5} =$

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Name

Date

Score

1.  $\frac{1}{10}$  of the beads are red. What fraction are not red?
2. I have read  $\frac{1}{100}$  of pages in the book. What fraction I left to read?
3.  $\frac{1}{50}$  of atoms are Hydrogen. What fraction are not Hydrogen?
4. You gave me  $\frac{5}{100}$  of your stickers. What fraction do you have left?
5. I saw  $\frac{2}{10}$  of the movies that came out. What fraction did I not see?
6. They walked  $\frac{9}{10}$  of the distance. What fraction of the distance is left?
7.  $\frac{5}{100}$  of the flowers are roses. What fraction are not roses?
8.  $\frac{8}{10}$  of the garden is done. What fraction is left to be planted?
9.  $\frac{9}{100}$  of the books are his. What fraction are not?
10. I do like  $\frac{2}{10}$  of the kids in my class. What fraction of the kids do I not like?
11. I have gone  $\frac{2}{10}$  of the distance. What fraction is left?
12. I took  $\frac{5}{20}$  of his balls. What fraction are left for him?
13. I have finished  $\frac{10}{50}$  of my work. What fraction are left?

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Name

Date

Score

1.  $\frac{1}{10}$  of the beads are red. Total number of beads in 100. How many are red?

2. I have read  $\frac{1}{100}$  of pages in the book. There are 300 pages in the book.  
What fraction did I read?

3.  $\frac{1}{50}$  of atoms are Hydrogen. There are 10000 atoms in the mixture. How many are Hydrogen atoms?

4. You gave me  $\frac{5}{100}$  of your stickers. You had 200 stickers. How many do you have now?

5. I saw  $\frac{2}{10}$  of the movies that came out. 30 movies came out this year, How many did I see?

6. We walked  $\frac{9}{10}$  of the distance. The walk was 30 miles. How many miles did we walk?

7.  $\frac{6}{10}$  of the flowers are roses. I gathered 20 flowers. How many are roses?

8. He has done  $\frac{2}{3}$  of his lessons. He has to do total of 18 lessons. How many did he do?

9.  $\frac{20}{100}$  of the books are from the library. Total number of books is 220. How many are from the library?

10. I slept for 10 hours. I dreamed for  $\frac{1}{10}$  of the time. How many hours did I dream?

11. I have gone  $\frac{2}{10}$  of the distance. The distance is 25 miles. How far did I go?

12.  $\frac{220}{1000}$  of the mixture are sand particles. Total number of particles is 100000. How many are sand particles in the mixture?

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Name

Date

Score

1.  $\frac{2}{10}$  of the girls are wearing red. Total number of girls is 100. How many are not wearing red?
  
2. I have read  $\frac{5}{100}$  of pages in the book. There are 400 pages in the book. What fraction have I not read?
  
3.  $\frac{1}{50}$  of atoms are Hydrogen. There are 10,000 atoms in the mixture. How many are not Hydrogen atoms?
  
4. She brought  $\frac{35}{100}$  of the stickers. We now have 200 stickers. How many did not come from her?
  
5. I saw  $\frac{8}{10}$  of the show. The show was 2 hours long. How much of the show I did not see?
  
6. We walked  $\frac{9}{10}$  of the distance. The walk was 30 miles. How many miles did we not walk?
  
7.  $\frac{4}{10}$  of the flowers are roses. I gathered 20 flowers. How many are not roses?
  
8. He has done  $\frac{1}{7}$  of his lessons. He has to do total of 21 lessons. How lessons are left to do?
  
9.  $\frac{20}{100}$  of the books are from the library. Total number of books is 220. How many are not from the library?
  
10. I slept for 10 hours. I dreamed for  $\frac{1}{10}$  of the time. How many hours did I sleep?
  
11. The motor ran for 24 hours.  $\frac{2}{3}$  of the time it turned at a slow speed.. How many hours was it turning at a fast speed?
  
12.  $\frac{220}{1000}$  of the mixture are sand particles. Total number of particles is 100000. How many are not sand particles in the mixture?
  
13. I have finished  $\frac{2}{10}$  of my chores. I have 40 things to do. How many are left to do?

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Name

Date

Score

Which fraction is larger? Circle the larger fraction.

1.  $\frac{1}{2}$     $\frac{1}{3}$

2.  $\frac{1}{3}$     $\frac{1}{4}$

3.  $\frac{1}{2}$     $\frac{1}{4}$

4.  $\frac{1}{5}$     $\frac{1}{4}$

5.  $\frac{1}{5}$     $\frac{1}{7}$

6.  $\frac{1}{10}$     $\frac{1}{5}$

11.  $\frac{1}{8}$     $\frac{1}{10}$

7.  $\frac{1}{10}$     $\frac{1}{100}$

12.  $\frac{1}{30}$     $\frac{1}{40}$

8.  $\frac{1}{30}$     $\frac{1}{20}$

13.  $\frac{1}{5}$     $\frac{1}{6}$

9.  $\frac{1}{9}$     $\frac{1}{10}$

14.  $\frac{3}{5}$     $\frac{3}{4}$

10.  $\frac{1}{11}$     $\frac{1}{10}$

15.  $\frac{2}{5}$     $\frac{2}{7}$

11.  $\frac{1}{10}$     $\frac{1}{8}$

16.  $\frac{1}{10}$     $\frac{1}{15}$

12.  $\frac{2}{11}$     $\frac{2}{10}$

17.  $\frac{1}{100}$     $\frac{1}{1000}$

18.  $\frac{1}{12}$     $\frac{1}{20}$

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Name

Date

Score

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Name

Date

Score

1.  $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$

2.  $\frac{1}{2} \times \frac{1}{4} =$

3.  $\frac{1}{5} \times \frac{1}{6} =$

4.  $\frac{1}{5} \times \frac{1}{4} =$

5.  $\frac{1}{5} \times \frac{1}{7} =$

6.  $\frac{1}{10} \times \frac{1}{15} =$

7.  $\frac{1}{100} \times \frac{1}{1000} =$

8.  $\frac{1}{12} \times \frac{1}{20} =$

9.  $\frac{1}{4} \times \frac{1}{6} =$

10.  $\frac{1}{2} \times \frac{1}{5} =$

11.  $\frac{3}{4} \times \frac{3}{8} = \frac{9}{32}$

12.  $\frac{2}{5} \times \frac{3}{10} =$

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Name

Date

Score

$$1. \quad \frac{1}{2} + \frac{1}{3} = \frac{1 \times 3 + 1 \times 2}{2 \times 3} = \frac{3+2}{6} = \frac{5}{6}$$

$$2. \quad \frac{1}{4} + \frac{1}{2} = \frac{1 \times 2 + 1 \times 4}{4 \times 2} = \frac{2+4}{8} = \frac{6}{8} = \frac{\cancel{2} \times 3}{\cancel{2} \times 4} = \frac{3}{4}$$

$$3. \quad \frac{2}{5} + \frac{3}{4} =$$

$$4. \quad \frac{3}{4} + \frac{4}{5} =$$

$$5. \quad \frac{2}{7} + \frac{6}{5} =$$

$$6. \quad \frac{2}{5} + \frac{1}{10} =$$

$$7. \quad \frac{1}{10} + \frac{7}{100} =$$

$$8. \quad \frac{3}{5} + \frac{7}{10} =$$

$$9. \quad \frac{3}{5} + \frac{5}{4} =$$

$$10. \quad \frac{2}{3} + \frac{3}{5} =$$

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Name

Date

Score

$$1. \quad \frac{3}{2} + \frac{2}{3} = \frac{3 \times 3 + 2 \times 2}{2 \times 3} = \frac{9+4}{6} = \frac{13}{6}$$

$$2. \quad \frac{1}{4} + \frac{5}{2} = \frac{1 \times 2 + 5 \times 4}{4 \times 2} = \frac{2+20}{8} = \frac{22}{8} = \frac{\cancel{2} \times 11}{\cancel{2} \times 4} = \frac{11}{4}$$

$$3. \quad \frac{2}{6} + \frac{3}{4} =$$

$$4. \quad \frac{3}{4} + \frac{4}{7} =$$

$$5. \quad \frac{3}{7} + \frac{6}{9} =$$

$$6. \quad \frac{2}{50} + \frac{4}{10} =$$

$$7. \quad \frac{4}{10} + \frac{80}{100} =$$

$$8. \quad \frac{1}{2} + \frac{7}{10} =$$

$$9. \quad \frac{2}{3} + \frac{5}{4} =$$

$$10. \quad \frac{2}{7} + \frac{6}{5} =$$

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Name

Date

Score

1.  $\frac{1}{2} + \frac{2}{3} =$

2.  $\frac{1}{4} + \frac{3}{2} =$

3.  $\frac{1}{6} + \frac{3}{4} =$

4.  $\frac{3}{4} + \frac{1}{7} =$

5.  $\frac{3}{10} + \frac{6}{8} =$

6.  $\frac{10}{50} + \frac{20}{10} =$

7.  $\frac{40}{10} + \frac{800}{100} =$

8.  $\frac{10}{2} + \frac{70}{10} =$

9.  $\frac{2}{30} + \frac{5}{40} =$

10.  $\frac{2}{4} + \frac{3}{5} =$

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Name

Date

Score

1.  $\frac{4}{2} + \frac{2}{5} =$

2.  $\frac{1}{4} + \frac{3}{5} =$

3.  $\frac{1}{9} + \frac{3}{9} =$

4.  $\frac{3}{7} + \frac{1}{7} =$

5.  $\frac{3}{10} + \frac{7}{8} =$

6.  $\frac{2}{5} + \frac{4}{10} =$

7.  $\frac{4}{10} + \frac{8}{12} =$

8.  $\frac{1}{2} + \frac{7}{10} =$

9.  $\frac{7}{3} + \frac{5}{4} =$

10.  $\frac{7}{4} + \frac{3}{5} =$

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Name

Date

Score

1.  $1 - \frac{2}{3} = \frac{1}{3}$

2.  $1 - \frac{1}{2} = \frac{1}{2}$

3.  $1 - \frac{3}{4} = \frac{1}{4}$

4.  $1 - \frac{1}{7} =$

5.  $1 - \frac{6}{8} =$

6.  $1 - \frac{2}{10} =$

7.  $1 - \frac{8}{10} =$

8.  $1 - \frac{7}{10} =$

9.  $1 - \frac{2}{3} =$

10.  $1 - \frac{3}{5} =$

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Name

Date

Score

1.  $1 - \frac{7}{8} = \frac{1}{8}$

2.  $1 - \frac{1}{5}$

3.  $1 - \frac{1}{4} =$

4.  $1 - \frac{7}{8} =$

5.  $1 - \frac{5}{8} =$

6.  $1 - \frac{2}{7} =$

7.  $1 - \frac{1}{10} =$

8.  $1 - \frac{9}{10} =$

9.  $1 - \frac{2}{9} =$

10.  $1 - \frac{3}{8} =$

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Name

Date

Score

1.  $1 + \frac{7}{8} = \frac{8 \times 1 + 7}{8} = \frac{15}{8}$

2.  $1 + \frac{2}{5} = \frac{5 \times 1 + 2}{5} = \frac{7}{5}$

3.  $1 + \frac{1}{4} =$

4.  $1 + \frac{7}{8} =$

5.  $1 + \frac{5}{8} =$

6.  $1 + \frac{2}{7} =$

7.  $1 + \frac{1}{10} =$

8.  $1 + \frac{9}{10} =$

9.  $1 + \frac{2}{9} =$

10.  $1 + \frac{3}{8} =$

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Name

Date

Score

1.  $1 - \frac{7}{8} = \frac{1}{8}$

2.  $1 - \frac{2}{5} =$

3.  $1 + \frac{7}{4} =$

4.  $1 - \frac{7}{8} =$

5.  $1 + \frac{5}{8} =$

6.  $1 - \frac{3}{7} =$

7.  $1 - \frac{3}{10} =$

8.  $1 + \frac{9}{10} =$

9.  $1 + \frac{4}{9} =$

10.  $1 - \frac{5}{8} =$

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Name

Date

Score

1.  $1 - \left(\frac{1}{8} + \frac{1}{8}\right) = 1 - \left(\frac{1}{4}\right) = \frac{3}{4}$

2.  $1 - \left(\frac{1}{2} + \frac{1}{3}\right) = 1 - \left(\frac{5}{6}\right) = \frac{1}{6}$

3.  $1 - \left(\frac{1}{4} + \frac{1}{3}\right) =$

4.  $1 - \left(\frac{3}{7} + \frac{2}{7}\right) =$

5.  $1 - \left(\frac{1}{10} + \frac{3}{10}\right) =$

6.  $1 - \left(\frac{1}{2} + \frac{1}{5}\right) =$

7.  $1 - \left(\frac{1}{20} + \frac{5}{10}\right) =$

8.  $1 - \left(\frac{1}{2} + \frac{1}{7}\right) =$

9.  $1 - \left(\frac{1}{8} + \frac{1}{7}\right) =$

10.  $1 - \left(\frac{3}{4} + \frac{1}{10}\right) =$

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Name

Date

Score

1.  $1 - \left(\frac{1}{8} + \frac{1}{5}\right) =$

2.  $1 - \left(\frac{2}{3} + \frac{1}{3}\right) =$

3.  $1 - \left(\frac{7}{8} + \frac{1}{10}\right) =$

4.  $1 - \left(\frac{3}{7} + \frac{2}{9}\right) =$

5.  $1 - \left(\frac{6}{10} + \frac{3}{10}\right) =$

6.  $1 - \left(\frac{1}{2} + \frac{2}{5}\right) =$

7.  $1 - \left(\frac{1}{20} + \frac{6}{10}\right) =$

8.  $1 - \left(\frac{1}{2} + \frac{1}{7}\right) =$

9.  $1 - \left(\frac{1}{9} + \frac{1}{7}\right) =$

10.  $1 - \left(\frac{3}{5} + \frac{1}{10}\right) =$

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Name

Date

Score

1.  $\frac{1}{3}$  of the parts are silver.  $\frac{1}{4}$  are iron. What total fraction are these two types of parts?
  
2.  $\frac{2}{3}$  of the recipe is water.  $\frac{1}{4}$  is sauce. What fraction are these two things in the recipe?
  
3.  $\frac{1}{20}$  of the kids come from city A.  $\frac{1}{10}$  from city B. What fraction of the total come from cities A and B?
  
4. Half of the kids are in the gym. one-tenth are in the field. The rest are in the cafeteria. What fraction are in the cafeteria?
  
5.  $\frac{4}{5}$  of the balls are multicolored.  $\frac{1}{10}$  are brown. What fraction of the balls are not either of these?
  
6. I did  $\frac{1}{10}$  of the homework yesterday. I did  $\frac{2}{10}$  today. What fraction have I done?
  
7.  $\frac{1}{3}$  of my books are in my backpack.  $\frac{1}{3}$  are at school. What fraction is missing?
  
8. I lost  $\frac{1}{10}$  of my shirts at school. I lost  $\frac{3}{5}$  of my shirts at church. What fraction did I lose?
  
9.  $\frac{1}{3}$  of my friends are on vacation.  $\frac{1}{4}$  are at camp. What fraction are not around?
  
10.  $\frac{1}{7}$  of the flowers are red and  $\frac{1}{8}$  are blue. What fraction are blue and red?

---

Name

Date

Score

1.  $\frac{1}{3}$  of the parts are silver.  $\frac{1}{4}$  are iron. What total fraction are not these two types of parts?
  
2.  $\frac{4}{5}$  of the recipe is rice.  $\frac{1}{10}$  is sauce. What fraction of the recipe is not rice or sauce?
  
3.  $\frac{5}{20}$  of the kids come from city A.  $\frac{1}{10}$  from city B. What fraction of the total do not come from cities A and B?
  
4. Half of the kids are in the gym. One-tenth are on the field. The rest are in the cafeteria. What fraction are not in the cafeteria?
  
5.  $\frac{3}{5}$  of the balls are blue.  $\frac{1}{10}$  are brown. What fraction of the balls are brown and blue?
  
6. I did  $\frac{1}{10}$  of the homework yesterday. I did  $\frac{2}{10}$  today. What fraction have I left to do?
  
7.  $\frac{10}{30}$  of my books are in my backpack.  $\frac{5}{30}$  are at school. What fraction is missing?
  
8. I weigh 80 pounds.  $\frac{3}{4}$  of my weight is from water. How many pounds of my weight is not from water?
  
9.  $\frac{1}{5}$  of my friends are on vacation.  $\frac{1}{4}$  are at camp.  $\frac{1}{10}$  are taking classes. There are 100 kids in my class. How many are not doing anything?
  
10.  $\frac{3}{4}$  of the flowers are red and  $\frac{1}{8}$  are blue. What fraction are blue and red?

---

Name

Date

Score

1. I have 20 toys. I gave away  $\frac{4}{5}$  of my toys. How many do I have left?
  
2. You have  $\frac{2}{3}$  more toys than I have. I have 15 toys. How many do you have?
  
3. She had 24 books. She left  $\frac{2}{4}$  of her books at my house. How many did she take?
  
4. You have 21 stickers and you gave me  $\frac{3}{7}$  of your stickers. How many did you give me?
  
5. I gave away  $\frac{7}{8}$  of my toys. I had 16. How many do I have now?
  
6. The dog ate  $\frac{5}{7}$  of his food. He had 14 pounds of food. How much food is left?
  
7. I have 210 books. I lost  $\frac{3}{7}$  of my books. How many do I have left?
  
8. 1000 kids came to the hall.  $\frac{9}{10}$  have gone home. How many are left?
  
9. The store has 2000 books.  $\frac{1}{4}$  of the books are paperback. How many are not paperback?
  
10. There are 15 kids in the class. I do not like  $\frac{2}{5}$  of the kids in my class. How many do I like?
  
11. I have read  $\frac{3}{4}$  of the books on the shelf. I have 44 books. How many have I read?

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Name

Date

Score

1. The recipe makes 3 pounds of ice cream. I need  $\frac{2}{3}$  pound sugar for the recipe. How much do the rest of the ingredients weigh?

2. I need 3 cups of water and one cup of dry rice to make 5 cups of cooked rice. I need 20 cups of cooked rice for the party. How many cups of water do I need?

3. I need 2 teaspoons of sugar, 3 teaspoons of lemon juice, and 1 glass of water to make lemonade. I only have 30 teaspoons of sugar. Do I have enough sugar to make 12 glasses of lemonade?

4. I need 60 gm of item A and 20 gm of item B and 10 gm of item C to make a recipe. I made 270 gm of the recipe. How much of each item A did I use?

5. I made 26 pounds of cement. I use 10 parts water to 3 parts cement. How many pounds of dry cement did I use?

6. The dog ate  $\frac{3}{4}$  of his food. He had 16 pounds of food. How much food is left?

7.  $\frac{1}{3}$  of my books are paperback.  $\frac{1}{4}$  are hardback. What fraction are not either of these?

8.  $\frac{1}{2}$  of my shirts are blue.  $\frac{1}{4}$  are black. What fraction are not black or blue?

9.  $\frac{1}{3}$  of my friends live in Danville,  $\frac{1}{6}$  live in Alamo.  $\frac{1}{12}$  live in San Ramon. What fraction do not live in any of these cities?

10.  $\frac{1}{3}$  of the stores are small.  $\frac{1}{4}$  are very large. What fraction are medium size stores?